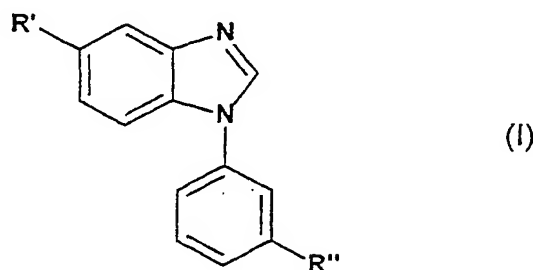


**Claims:**

1. A benzimidazole derivative represented by the general Formula I,



or a pharmaceutically acceptable salt thereof,  
wherein,

R' represents a group of the formula  $-(\text{alk})_q-\text{R}^1$ ,

wherein

(alk) represents alkyl, alkenyl or alkynyl,

q is 0 or 1,

R<sup>1</sup> represents a group of the formula  $-\text{CO}_2\text{R}^2$ , wherein

R<sup>2</sup> represents hydrogen, alkyl, hydroxy-alkyl, alkoxy-alkyl, thioalkoxy-alkyl, alkyl-"Heterocycle", or  $-\text{alkyl}-\text{NR}^3\text{R}^4$ ,

wherein

"Heterocycle" represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, cyano, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl, and a group of the formula  $-(\text{alkyl})_p-\text{CN}$ ,  $-(\text{alkyl})_p-\text{aryl}$ ,  $-(\text{alkyl})_p-\text{"Heterocycle"}$ ,  $-(\text{alkyl})_p-\text{CO}_2-\text{"Heterocycle"}$  or  $-(\text{alkyl}-\text{CO}_2)_s-(\text{alkyl})_t-\text{COR}^5$ ,

in which formulas

p, s and t independently of each another is 0 or 1,

"Heterocycle" represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, cyano, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl,

R<sup>5</sup> represents hydroxy, alkoxy, hydroxy-alkoxy, alkoxy-alkoxy, thioalkoxy-alkoxy, or a group of the formula  $-\text{NR}^6\text{R}^7$  or  $-\text{O}-\text{alkyl}-\text{NR}^6\text{R}^7$ ,

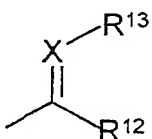
in which formulas

$R^6$  and  $R^7$  independently of each another represent hydrogen, alkyl, cycloalkyl or a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl, or

$R^6$  and  $R^7$  together with the nitrogen to which they are attached form a mono- or polycyclic heterocyclic group, which heterocyclic group may be substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl; and

$R^3$  and  $R^4$  independently of each another represent hydrogen, alkyl or cycloalkyl, or

$R^3$  and  $R^4$  together with the nitrogen to which they are attached form a mono- or poly-cyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl; or

$R^1$  represents a group of the formula , wherein

X represents N or CH,

$R^{12}$  represents hydrogen, alkyl, alkoxy or hydroxy-alkyl, and

$R^{13}$  represents hydrogen, hydroxy, alkyl, alkoxy or hydroxy-alkyl; or

$R^1$  represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of alkyl, hydroxy-alkyl, alkoxy-alkyl, carboxyl, and acyl, and a group of the formula  $-(alkyl)_p$ -aryl,  $-(alkyl)_p$ -“Heterocycle”,  $-(alkyl)_p$ -CN or  $-(alkyl-CO_2)_s$ -(alkyl)<sub>t</sub>-COR<sup>5</sup>,

in which formulas

p, s and t independently of each another is 0 or 1,

“Heterocycle” represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, cyano, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl,

$R^5$  represents hydroxy, alkoxy, hydroxy-alkoxy, alkoxy-alkoxy, thioalkoxy-alkoxy, or a group of the formula  $-NR^6R^7$  or  $-O-alkyl-NR^6R^7$ , in which formulas

$R^6$  and  $R^7$  independently of each another represent hydrogen, alkyl, cycloalkyl or a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl, or

$R^6$  and  $R^7$  together with the nitrogen to which they are attached form a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl; and

$R''$  represents  $-(alkyl)_o-$ "Heterocycle" or  $-(alkyl)_o-CO_2-(alkyl)_u-$ "Heterocycle", wherein

$o$  and  $u$  independently of each another is 0 or 1, and

"Heterocycle" represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, cyano, hydroxy-alkyl, alkoxy-alkyl, carboxyl, and acyl, and a group of the formula  $-(alkyl)_p-CN$ ,  $-(alkyl)_p-aryl$ ,  $-(alkyl)_p-aralkyl$ ,  $-(alkyl)_p-O-aryl$ ,  $-(alkyl)_p-O-aralkyl$ ,  $-(alkyl)_p-CO_2-aryl$ ,  $-(alkyl)_p-CO_2-aralkyl$ ,  $-(alkyl)_p-$ "Heterocycle",  $-(alkyl)_p-CO_2-$ "Heterocycle" or  $-(alkyl-CO_2)_s-(alkyl)_t-COR^5$ ,

in which formulas

$p$ ,  $s$  and  $t$  independently of each another is 0 or 1,

"Heterocycle" represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, cyano, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl,

$R^5$  represents hydrogen, hydroxy, alkyl, alkoxy, hydroxy-alkyl, hydroxy-alkoxy, alkoxy-alkyl, alkoxy-alkoxy, thioalkoxy-alkyl, thioalkoxy-alkoxy, or a group of the formula  $-NR^6R^7$  or  $-O-alkyl-NR^6R^7$ ,

in which formulas

$R^6$  and  $R^7$  independently of each another represent hydrogen, alkyl, cycloalkyl or a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of

halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl, or

$R^6$  and  $R^7$  together with the nitrogen to which they are attached form a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl; or

$R''$  represents  $-(alkyl)_m-CO_2R^8$ ,

wherein

$m$  is 0 or 1, and

$R^8$  represents hydrogen, alkyl, hydroxy-alkyl, alkoxy-alkyl, thioalkoxy-alkyl, or a group of the formula  $-(alkyl)_p-NR^9R^{10}$ ,

wherein

$p$  is 0 or 1, and

$R^9$  and  $R^{10}$  independently of each another represent hydrogen, alkyl, cycloalkyl, or a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl, or

$R^9$  and  $R^{10}$  together with the nitrogen to which they are attached form a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl.

2. The benzimidazole derivative of claim 1, wherein  $R''$  represents

2-(4-acetyl-piperazin-1-yl)-ethoxy-carbonyl;

pyridin-2-yl-methoxy-carbonyl;

1-Methyl-2-pyrrolidyl-methoxy-carbonyl; or

3,5-dimethyl-1-piperazinyl-ethoxy-carbonyl.

3. The benzimidazole derivative of claim 2, which is

2-(1-Acetyl-4-piperazinyl)-ethyl 3-(5-(3-furanyl)-1-benzimidazolyl)-benzoate;

1-Methyl-2-pyrrolidylmethyl 3-(5-(3-furanyl)-1-benzimidazolyl)-benzoate;

2-(3,5-dimethyl-1-piperazinyl)-ethyl 3-(5-acetylbenzimidazol-1-yl)-benzoate

oxime; or

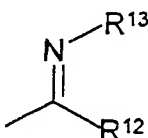
2-(2-pyridyl)-methyl 3-(5-acetylbenzimidazol-1-yl)-benzoate oxime;

or a pharmaceutically acceptable salt thereof.

4. The benzimidazole derivative of claim 1, wherein

$R^1$  represents a group of the formula  $-\text{CO}_2\text{R}^2$ , wherein

5  $R^2$  represents alkyl, hydroxy-alkyl, alkoxy-alkyl, thioalkoxy-alkyl, alkyl-  
N(alkyl)<sub>2</sub>; or

$R^1$  represents a group of the formula , wherein  
 $R^{12}$  represents alkyl, and  
 $R^{13}$  represents hydroxy, or alkoxy; or

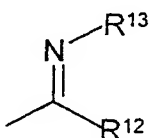
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$R^1$  represents a furanyl group, a pyrazolyl group, an isoxazolyl group, an  
oxazolyl group, an oxadiazolyl group.

5. The benzimidazole derivative of claim 4, wherein

15

$R^1$  represents a group of the formula  $-\text{COOH}$ ,  $-\text{CO}_2\text{-CH}_3$ ,  $-\text{CO}_2\text{-C}_2\text{H}_5$ ,  $-\text{CO}_2\text{-CH}_2\text{-CH(OH)-}$ ,  $-\text{CO}_2(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{CO}_2(\text{CH}_2)_2\text{SCH}_3$ ,  $-\text{CO}_2(\text{CH}_2)_2\text{SC}_2\text{H}_5$ , or  
 $-\text{CO}_2(\text{CH}_2)_2\text{N(CH}_3)_2$ ; or

$R^1$  represents a group of the formula , wherein

20

$R^{12}$  represents methyl or ethyl, and  
 $R^{13}$  represents hydroxy, methoxy or ethoxy; or

$R^1$  represents a 2- or 3-furanyl group.

- 25 6. The benzimidazole derivative of claim 5, which is

2-(3,5-dimethyl-1-piperazinyl)-ethyl 3-(5-acetylbenzimidazol-1-yl)-benzoate  
oxime; or

2-(2-pyridyl)-methyl 3-(5-acetylbenzimidazol-1-yl)-benzoate oxime;  
or a pharmaceutically acceptable salt thereof.

30

7. The benzimidazole derivative of either of claims 4-5, wherein

$R''$  represents a group of the formula  $-(\text{alkyl})_o\text{-"Heterocycle"}$ , wherein  
 $o$  is 0 or 1, and

"Heterocycle" represents a furanyl group, a 2H-furanyl group, a 4H-furanyl group, a thienyl group, a pyrrolyl group, a 2H-pyrrolyl (pyrrolinyl) group, a 4H-pyrrolyl (pyrrolidinyl) group, an imidazolyl group, an oxazolyl group, a 2H-oxazolyl (oxazoliny) group, a 4H-oxazolyl (oxazolidiny) group, an isoxazolyl group, a 2H-isoxazolyl (isoxazoliny) group, a 4H-isoxazolyl (isoxazolidiny) group, an oxadiazolyl group, a 2H-oxadiazolyl (oxadiazoliny) group, a 4H-oxadiazolyl (oxadiazolidiny) group, a morpholinyl group, a thiomorpholinyl group, a pyridinyl group, a piperidinyl group, a piperazine group, a homopiperazine group or a tetrazolyl group, which heterocyclic groups may be substituted one or more times with substituents selected from the group consisting of halogen, alkyl, oxo, acyl, alkyl-CO<sub>2</sub>H, alkyl-CO<sub>2</sub>-alkyl, -(alkyl)<sub>p</sub>-CO<sub>2</sub>-aryl, -(alkyl)<sub>p</sub>-CO<sub>2</sub>-aralkyl and alkyl-CO<sub>2</sub>-alkyl-CONR<sup>6</sup>R<sup>7</sup>, wherein  
 R<sup>6</sup> and R<sup>7</sup> independently of each another represent hydrogen or alkyl.

8. The benzimidazole derivative of claim 7, wherein  
 "Heterocycle" represents a pyrrolidin-1-yl; a piperazin-1-yl; a homopiperazin-1-yl; an imidazol-1-yl; a pyridin-4-yl; a 4H-pyridin-4-yl, in particular a 1,2,5,6-tetrahydro-pyridin-4-yl; a piperidin-4-yl; a 2H-isoxazol-3-yl, in particular a 4,5-dihydro-isoxazol-3-yl.
9. The benzimidazole derivative of claim 8, wherein R" represents
  - 4-ethoxycarbonyl-1-imidazolyl;
  - 4-methoxycarbonyl-1-imidazolyl;
  - 5-((N,N-Diethylcarbamoyl)-methoxycarbonylmethyl)-4,5-dihydroisoxazol-3-yl;
  - 5-((N,N-Dimethylcarbamoyl)-methoxycarbonylmethyl)-4,5-dihydroisoxazol-3-yl;
  - 1-imidazolylmethyl;
  - 4-(1-methyl-5-tetrazolyl)-methyl-1-piperazinyl;
  - 1-ethyl-1,2,5,6-tetrahydropyridin-4-yl;
  - 4-(2-oxazolidinone-5-yl)-methyl-1-piperazinyl;
  - 4-(5-methyloxadiazol-3-yl)-methyl-1-piperazinyl;
  - 4-(3,5-dimethylisoxazol-4-yl)-methyl-1-piperazinyl;
  - 4-(2-oxo-tetrahydrofuran-3-yl)-1-piperazinyl;
  - 4-(2-chloro-5-thienyl)-methyl-1-piperazinyl; or
  - (1-methyl-2-pyrrolidyl)-methylcarbonyl.

10. The benzimidazole derivative of claim 9, which is

2-Methoxyethyl 1-(3-(4-methoxycarbonyl-1-imidazolyl)-phenyl)-  
benzimidazole-5-carboxylate;

5 (N,N-Diethylcarbamoyl)-methyl 2-(3-[3-(5-ethoxycarbonyl-1-  
benzimidazolyl)-phenyl]-4,5-dihydroisoxazol-5-yl)-acetate;

Methyl 1-(3-(1-imidazolylmethyl)-phenyl)-benzimidazole-5-carboxylate;

2-(Methylthio)-ethyl 1-(3-(1-imidazolylmethyl)-phenyl)-benzimidazole-5-  
carboxylate;

10 2-Methoxyethyl 1-(3-(4-(1-methyl-5-tetrazolyl)methyl-1-piperazinyl)-phenyl)-  
benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(1-ethyl-1,2,5,6-tetrahydropyridin-4-yl)-phenyl)-  
benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(4-(2-oxazolidinone-5-yl)-methyl)1-piperazinyl)-phenyl)-  
15 benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(4-(5-methyloxadiazol-3-yl)-methyl)1-piperazinyl)-  
phenyl)-benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(4-(3,5-dimethylisoxazol-4-yl)methyl)1-piperazinyl)-  
phenyl)-benzimidazole-5-carboxylate;

20 2-Methoxyethyl 1-(3-(4-(2-oxo-tetrahydrofuran-3-yl)-1-piperazinyl)-phenyl)-  
benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(4-(2-chloro-5-thienyl)-methyl-1-piperazinyl)-phenyl)-  
benzimidazole-5-carboxylate;

5-(3-Furanyl)-1-(3-(4-methoxycarbonyl-1-imidazolyl)-phenyl)-benzimidazole;  
25 or

N,N-Diethylcarbamoylmethyl 2-(3-(3-(5-(3-furanyl)-1-benzimidazolyl)-  
phenyl)-4,5-dihydroisoxazole-5-yl)-acetate;

or a pharmaceutically acceptable salt thereof.

30 11. The benzimidazole derivative of either of claims 4-5, wherein

R" represents a group of the formula -CO<sub>2</sub>-(alkyl)<sub>o</sub>- "Heterocycle", wherein  
o is 0 or 1, and

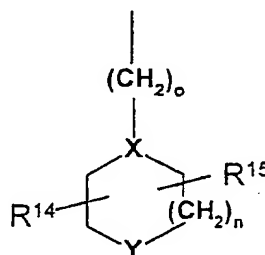
35 "Heterocycle" represents a pyrrolyl group, a 2H-pyrrolyl (pyrrolinyl)  
group, a 4H-pyrrolyl (pyrrolidinyl) group, an imidazolyl group, an  
oxazolyl group, an isoxazolyl group, a 2H-isoxazolyl (isoxazolinyl)  
group, a 4H-isoxazolyl (isoxazolidinyl) group, an oxadiazolyl group, a  
pyridyl group, a piperidinyl group, a piperazine group or a  
homopiperazine group, which heterocyclic groups may be substituted

one or more times with substituents selected from the group consisting of alkyl, acyl, alkyl-CO<sub>2</sub>H, alkyl-CO<sub>2</sub>-alkyl and alkyl-CO<sub>2</sub>-alkyl-CONR<sup>6</sup>R<sup>7</sup>, wherein

R<sup>6</sup> and R<sup>7</sup> independently of each another represent hydrogen or alkyl.

12. The benzimidazole derivative of either of claims 4-5, wherein

R'' represents a group of the formula



in which formula

o is 0 or 1,

n is 0, 1 or 2,

X represents N or CH,

Y represents O, NR<sup>11</sup> or CHR<sup>11</sup>,

wherein R<sup>11</sup> represents hydrogen, alkyl, hydroxy-alkyl, alkoxy-alkyl, carboxyl or acyl, or a group of the formula -(alkyl)<sub>p</sub>-CN, -(alkyl)<sub>p</sub>-aryl, -(alkyl)<sub>p</sub>-O-aryl, -(alkyl)<sub>p</sub>-O-aralkyl, -(alkyl)<sub>p</sub>-“Heterocycle”, -(alkyl)<sub>p</sub>-CO<sub>2</sub>-“Heterocycle” or -(alkyl-CO<sub>2</sub>)<sub>s</sub>-(alkyl)<sub>t</sub>-COR<sup>5</sup>,

wherein

p, s and t independently of each another is 0 or 1,

“Heterocycle” represents a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally substituted one or more times with substituents selected from the group consisting of halogen, alkyl, hydroxy, oxo, cyano, hydroxy-alkyl, alkoxy-alkyl, carboxyl and acyl,

R<sup>5</sup> represents hydroxy, alkoxy, hydroxy-alkoxy, alkoxy-alkoxy, thioalkoxy-alkoxy, aryl or aralkyl, or a group of the formula -NR<sup>6</sup>R<sup>7</sup> or -O-alkyl-NR<sup>6</sup>R<sup>7</sup>, in which formulas

R<sup>6</sup> and R<sup>7</sup> independently of each another represents hydrogen, alkyl, cycloalkyl or a mono- or polycyclic heterocyclic group, which heterocyclic group is optionally



substituted one or more times with substituents selected from the group consisting of alkyl, and acyl, or  $R^6$  and  $R^7$  together with the nitrogen to which they are attached form a mono- or polycyclic heterocyclic group, which heterocyclic group may be substituted one or more times with substituents selected from the group consisting of alkyl and acyl, and

$R^{14}$  and  $R^{15}$  independently of each another represent hydrogen, alkyl, hydroxy-alkyl, alkoxy-alkyl, carboxyl or acyl; or

$R''$  represents a group of the formula  $-\text{CO}_2R^8$ , wherein

$R^8$  represents alkyl- $\text{NR}^9R^{10}$ , wherein

$R^9$  and  $R^{10}$  together with the nitrogen to which they are attached form a pyrrolidine or a piperazine group, which group may be substituted one or more times with substituents selected from the group consisting of alkyl and acyl.

13. The compound according to claim 12, wherein  $R''$  represents

4-methoxycarbonyl-methyl-3,5-dimethyl-1-piperazinyl;

4-ethoxycarbonyl-methyl-3,5-dimethyl-1-piperazinyl;

4-methyl-3,5-dimethyl-1-piperazinyl;

4-ethyl-3,5-dimethyl-1-piperazinyl; or

3,5-dimethyl-1-piperazinyl.

14. The compound according to claim 12, which compound is

2-Methoxyethyl 1-(3-(4-ethoxycarbonylmethyl-3,5-dimethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;

2-Methyl 1-(3-(4-ethoxycarbonylmethyl-3,5-dimethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(4-ethyl-3,5-dimethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;

2-Methoxyethyl 1-(3-(3,5-dimethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate; or

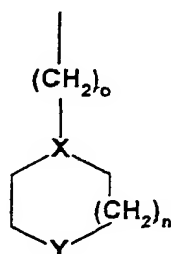
2-(3,5-dimethyl-1-piperazinyl)-ethyl 3-(5-acetylbenzimidazol-1-yl)-benzoate oxime;

or a pharmaceutically acceptable salt thereof.

15. The benzimidazole derivative of claim 12, wherein

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R'' represents a group of the formula



in which formula

o is 0 or 1,

5 n is 0, 1 or 2,

X represents N or CH, and

Y represents NR<sup>11</sup> or CHR<sup>11</sup>, wherein

10 R<sup>11</sup> represents hydrogen, alkyl, hydroxy-alkyl, carboxy, acyl, or a group of the formula -(alkyl)<sub>p</sub>-CN, -(alkyl)<sub>p</sub>-aryl, -(alkyl)<sub>p</sub>-O-aryl, -(alkyl)<sub>p</sub>-O-aralkyl, -(alkyl)<sub>t</sub>-COR<sup>5</sup> or -(alkyl)<sub>t</sub>-R<sup>5</sup>,

wherein

p and t independently of each another is 0 or 1, and

R<sup>5</sup> represents hydroxy, alkoxy, NH<sub>2</sub>, NH(alkyl) or N(alkyl)<sub>2</sub>.

15 16. The benzimidazole derivative of claim 15, wherein R'' represents

4-(methoxy-carbonyl)-1-piperazinylmethyl;

4-(ethoxy-carbonyl)-1-piperazinylmethyl;

4-(methoxy-carbonyl-methyl)-1-piperazinyl;

4-(ethoxy-carbonyl-methyl)-1-piperazinyl;

20 4-(methoxy-carbonyl-methyl)-1-piperazinylmethyl;

4-(ethoxy-carbonyl-methyl)-1-piperazinylmethyl;

1-piperazinyl;

1-piperazinyl-methyl;

4-acetyl-1-piperazinyl;

25 4-methyl-1-piperazinyl;

4-ethyl-1-piperazinyl;

1-methyl-4-piperidinyl;

1-acetyl-4-piperidinyl;

1-methyl-4-piperidyl;

30 1-acetyl-4-piperidyl;

4-*tert*-butoxycarbonylmethyl-1-piperazinyl;

4-isopropoxycarbonylmethyl-1-piperazinyl;

4-carboxymethyl-1-piperazinyl;

- 4-benzyl-1-piperazinyl;  
 4-cyanomethyl-1-piperazinyl;  
 4-benzyloxy-ethyl-1-piperazinyl;  
 4-ethyl-1-homopiperazinyl;  
 5 4-(2-hydroxy-ethyl)-1-piperazinyl;  
 4-carbamoylmethyl-1-piperazinyl;  
 4-dimethylcarbamoylmethyl-1-piperazinyl; or  
 4-diethylcarbamoylmethyl-1-piperazinyl.

10 17. The compound according to claim 15, which compound is

- 2-Methoxyethyl 1-(3-(4-(ethoxycarbonyl)-1-piperazinylmethyl)-phenyl)-  
 benzimidazole-5-carboxylate;  
 2-Methoxyethyl 1-(3-(4-(etoxycarbonylmethyl)-1-piperazinyl)-phenyl)-  
 benzimidazole-5-carboxylate;  
 15 2-Methoxyethyl 1-(3-(4-carboxymethyl-1-piperazinyl)-phenyl)-  
 benzimidazole-5-carboxylate;  
 2-Methoxyethyl 1-(3-(4-methyl-1-piperazinyl)-phenyl)-benzimidazole-5-  
 carboxylate;  
 2-Metoxylethyl 1-(3-(4-acetyl-1-piperazinyl)-phenyl)-benzimidazole-5-  
 20 carboxylate;  
 2-Methoxyethyl 1-(3-(1-methyl-4-piperidyl)phenyl)benzimidazole-5-  
 carboxylate;  
 2-Methoxyethyl 1-(3-(1-acetyl-4-piperidyl)-phenyl)-benzimidazole-5-  
 carboxylate;  
 25 2-Methoxyethyl 1-(3-(4-*t*-butoxycarbonylmethyl-1-piperazinyl)-phenyl)-  
 benzimidazole-5-carboxylate;  
 2-Methoxyethyl 1-(3-(4-*i*-propoxycarbonylmethyl-1-piperazinyl)-phenyl)-  
 benzimidazole-5-carboxylate;  
 2-[4-(3-(5-Methoxycarbonylbenzimidazol-1-yl)-phenyl)-1-piperazinyl]-acetic  
 30 acid;  
 2-(Methylthio)-ethyl 1-(3-(4-methyl-1-piperazinyl)-phenyl)-benzimidazole-5-  
 carboxylate;  
 2-(*N,N*-dimethylamino)-ethyl 1-(3-(1-carboxymethyl-4-piperazinyl)-phenyl)-  
 benzimidazole-5-carboxylate;  
 35 2-Methoxyethyl 1-(3-(4-benzyl-1-piperazinyl)-phenyl)-benzimidazole-5-  
 carboxylate;  
 Methyl 1-(3-(4-cyanomethyl-1-piperazinyl)-phenyl)-benzimidazole-5-  
 carboxylate;

- 2-Methoxyethyl 1-(3-(4-cyanomethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- Methyl 1-(3-(4-benzyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(4-benzyloxyethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(4-ethyl-1-homopiperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methyl 1-(3-(4-ethyl-1-homopiperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(4-ethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-(2-hydroxyethyl)-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- Methyl 1-(3-(1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-methyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-methoxycarbonylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-ethoxycarbonylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(4-diethylcarbamoylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(4-methoxycarbonylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Methoxyethyl 1-(3-(4-carbamoylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-carbamoylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-diethylcarbamoylmethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 2-Hydroxyethyl 1-(3-(4-carboxymethyl-1-piperazinyl)-phenyl)-benzimidazole-5-carboxylate;
- 5-(3-Furanyl)-1-(3-((4-ethoxycarbonyl-1-piperazinyl)-methyl)-phenyl)-benzimidazole;
- 5-(3-Furanyl)-1-(3-(1-(ethoxycarbonylmethyl)-4-piperazinyl)-phenyl)-benzimidazole;
- 5-(3-Furanyl)-1-(3-(4-t-butoxycarbonylmethyl-1-piperazinyl)-phenyl)-benzimidazole;

5-(3-Furanyl)-1-(3-(1-ethoxycarbonylmethyl-4-piperazinylmethyl)-phenyl)-benzimidazole;

5-(3-Furanyl)-1-(3-(1-ethoxycarbonylmethyl-4-piperidyl)-phenyl)-benzimidazole;

5 5-(3-Furanyl)-1-(3-(4-ethoxycarbonylpiperid-1-ylmethyl)-phenyl)-benzimidazole; or

5-(3-Furanyl)-1-(3-(1-ethoxycarbonyl-4-piperazinyl)-phenyl)-benzimidazole;  
or a pharmaceutically acceptable salt thereof.

10 18. A pharmaceutical composition containing a therapeutically effective amount of a benzimidazole derivative according to any of claims 1-17, or a pharmaceutically acceptable addition salt thereof, together with at least one pharmaceutically acceptable carrier, excipient or diluent.

15 19. The use of a benzimidazole derivative according to any of claims 1-17 for the manufacture of a medicament for the treatment, prevention or alleviation of a disease or a disorder or a condition of a mammal, including a human, which disease, disorder or condition is responsive to modulation of the GABA receptor complex.

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20. The use according to claim 19, wherein the medicament is for inducing anaesthesia, pre-anaesthesia, muscle relaxation, or sedation, or for treatment, prevention or alleviation of fewer cramps or status epilepticus.

25 21. A method for treatment, prevention or alleviation of a disease or a disorder or a condition of a living animal body, including a human, which disorder, disease or condition is responsive to modulation of the GABA receptor complex, which method comprises the step of administering to such a living animal body in need thereof a therapeutically effective amount of a benzimidazole derivative  
30 according to any of claims 1-17.

22. The method according to claim 21, for the induction or maintenance of anaesthesia or pre-anaesthesia, muscle relaxation or sedation, or for the treatment, prevention or alleviation of fewer cramps or status epilepticus.